(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
23 June 2005 (23.06.2005)

PCT

(10) International Publication Number
WO 2005/057418 A1

(51) International Patent Classification[7]: G06F 17/00

(21) International Application Number:
PCT/AU2004/001744

(22) International Filing Date:
10 December 2004 (10.12.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2003906918 12 December 2003 (12.12.2003) AU

(71) Applicant *(for all designated States except US)*: **CANON INFORMATION SYSTEMS RESEARCH AUSTRALIA PTY LTD** [AU/AU]; 1 Thomas Holt Drive, North Ryde, NSW 2113 (AU).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **CUDD, Richard, Anthony** [GB/AU]; 709/50 Burton Street, Darlinghurst, NSW 2010 (AU). **THORP, Jeremy, David, Michael** [AU/AU]; 10/47 Waitara Avenue, Waitara, NSW 2077 (AU). **REEVES, John, Stewart** [AU/AU]; 29 Kennedy Street, Gladesville, NSW 2111 (AU).

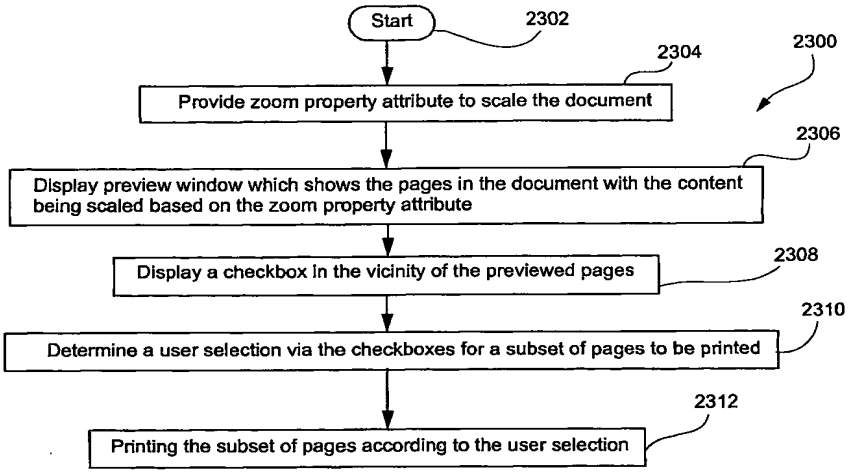
(74) Agent: **SPRUSON & FERGUSON**; GPO Box 3898, Sydney, NSW 2001 (AU).

(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: EFFICIENT WHOLE PAGE PRINTING



(57) Abstract: Disclosed are methods of printing documents comprising a plurality of pages sourced from a computer network. The methods provide a zoom property attribute to scale the document (Fig. 10). In one implementation a preview window (1702,1703) is displayed which shows the pages in the document scaled based on the zoom property attribute. A user selection (1701), within the preview window, is then determined for the pages of the scaled document. A subset (1804 cf. 1802) of the pages according to the user selection are then printed. In another implementation it is determined whether an amount of content (1008) on a last page of a scaled multi-page document (1002), which is scaled based on the zoom property attribute, is less than a predetermined amount. When the amount of content (1008) is less than the predetermined amount, the scaled mufti-page document is further scaled down to fit to a nearest whole page. The further scaled mufti-page document (1010) may then be printed.

WO 2005/057418 A1

Published:
— *with international search report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.